

# भारत का राजपत्र

## The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या थी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2 (PART III—SECTION 2)

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office Relating to Patents and Designs]

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Calcutta, the 28th November 1987

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APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 20th October, 1987

- 817/Cal/87. Cincinnati Milacron Inc. A tool for manufacturing pipes with varying wall thicknesses.

The 21st October, 1987

- 818/Cal/87. Engelhard Corporation. A method for making a fluid catalytic cracking catalyst. [Divisional date 24th February, 1984].

- 819/Cal/87. Pennwalt Corporation. Apparatus for removing sulfur from organic polysulfides.

- 820/Cal/87. Hoechst Aktiengesellschaft. A process for the preparation of fatty acid nitriles and glycerol from glycerides.

The 23rd October, 1987

- 821/Cal/87. Dr. Mihir Sen. Superconductor properties of a metal alloy at room temperature.

- 822/Cal/87. Jaharlal Bose. Mine water treatment reactor.

- 823/Cal/87. Kelsey-Hayes Company. Drum brake adjuster.

- 824/Cal/87. Merck Patent Gesellschaft Mit Beschränkter Haftung. Process for preparing rutile-coated mica pigments.

- 825/Cal/87. Fujikupra Limited. Sealing cable junctions. (Convention date 24th October, 1986) United Kingdom.

- 826/Cal/87. Compagnie De Raffinage Et De Distribution Total France S.A. Process and apparatus for the catalytic cracking of hydrocarbon charge (load) in fluidised bed.

The 26th October, 1987

- 827/Cal/87. Subhasis Biswas. R-C Tin Plate.

- 828/Cal/87. Dr. Mihir Sen. Carcinoma Treatment by pulsed neutron photon therapy.

- 829/Cal/87. Roshan Lal Kurera. Cage catcher for coal mines.

- 830/Cal/87. Energie Froide International S.A. Lightning protection system.

- 831/Cal/87. Shunei Isa, Haruhiko Hirano and Hachihiko Hirayama. Hydraulic Ram System.

- 832/Cal/87. ORGEL. Glass fibre based paper.

- 833/Cal/87. Westinghouse Electric Corporation. Protection system for thyristor-controlled reactors.

- 834/Cal/87. Westinghouse Electric Corporation. Var generator system with minimal standby losses.

- 835/Cal/87. Westinghouse Electric Corporation. Improvements in or relating to transmission line voltage detector for static var generator.

- 836/Cal/87. NGK Insulators, Ltd. High voltage porcelain insulators.

- 837/Cal/87. Asta Pharma Aktiengesellschaft. Ifosfamide lyophilisate and process for its preparation.

APPLICATION FOR THE PATENTS FILED AT THE  
PATENT OFFICE BRANCH, MUNICIPAL MARKET  
BUILDING IIIRD FLOOR, KAROL BAGH,  
NEW DELHI-110005

The 28th September, 1987

- 852/Del/87. Council of Scientific and Industrial Research. "An equipment for the extraction of oil from oil bearing seeds". [Divisional date 30th June, 1986].

- 853/Del/87. Standplastics (Proprietary) Limited. "Polymeric compositions".

- 854/Del/87. Esco Corporation. "Wear runner for excavating bucket".

- 855/Del/87. Priminges Inc., "Positionally-controlled electromagnetically-driven printing".

- 856/Del/87. Alcan International Limited. "Welding aluminium alloys". (Convention date 26th September, 1986) (U.K.).

- 857/Del/87. Council of Scientific and Industrial Research. "A process for the isolation of antidiabetic principle from Bougainvillea spectabilis".

The 29th September, 1987

- 858/Del/87. GKN Technology Limited. "Securing a sulcated spring to a suspension component". (Convention date 8th October, 1986) (U.K.).

- 859/Del/87. GKN Technology Limited. "Vehicle suspension". (Convention date 4th October, 1986 & 4th November, 1986) (U.K.).

- 860/Del/87. Norman Thomas Jennings. "A water supply apparatus". (Convention date 3rd October, 1986) (Australia).

- 861/Del/87. Frontier Plastics (South Wales) Limited. "Disposable Containers". (Convention date 11th October, 1986) (U.K.).

- 862/Del/87. Torsten Akesson. "Water closet system having a liquid separator".

- 863/Del/87. Frontier Plastics (South Wales) Limited. "Containers for disposable articles".

The 1st October, 1987

- 864/Del/87. Oil & Natural Gas Commission. "A high Temperature cementing compositions".

- 865/Del/87. Sir Padampat Research Centre. "A process for the treatment of effluent water of Nylon 6".

- 866/Del/87. Asea Stal AB. "Power plant with combustion in fluidized bed".

- 867/Del/87. Farrel Bridge Limited. "Mixers". (Convention date 1st October, 1986) (U.K.).

- 868/Del/87. Dyno Industries A/S. "Process and equipment for cartridge packing explosives".

- 869/Del/87. National Canvas Company. "Improved overall cover for motor cars and like vehicles".

The 5th October, 1987

- 870/Del/87. PPG Industries, Inc. "Glass batch feed arrangement with directional adjustability".

- 871/Del/87. Sanden Corporation. "Wobble plate type compressor with improved rotation preventing mechanism".

- 872/Del/87. Adolf Imhoff. "Cold cell".

- 873/Del/87. Robert Emmett & Owen Walmsley. "Improvements in or relating to clamps and connectors".

- 874/Del/87. Prabhat Kumar. "A hand drier".

The 6th October, 1987

- 875/Del/87. Amoco Corporation, "Selective intermixing of layered structures composed of thin solid films".  
 876/Del/87. Junghans Uhren GMBH., "Prefabricated strip conductor network assembly unit and process for making same".  
 877.Del/87. William Touzani, "Collapsible hollow articles with improved latching and dispensing configurations".  
 878/Del/87. Carbon Resources, Inc., "Integrated ionic liquefaction process".  
 879/Del/87. Alcan International Limited, "Battery powered light source".

The 7th October, 1987

- 880/Del/87. Photon Energy, Inc., "Method and apparatus for forming a polycrystalline monolayer".

The 8th October, 1987

- 881/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of controlled release agrochemical granules".  
 882/Del/87. Council of Scientific and Industrial Research, "Improvements in or relating to the process for preparation of chromium dioxide".  
 883/Del/87. Council of Scientific and Industrial Research, "A process for production of film based carbon paper".  
 884/Del/87. Energy Conversion Devices, Inc., A method of fabricating a lightweight photoresponsive structure including a thin, Electroformed metallic structure. [Divisional date 26th March, 1985].  
 885/Del/87. Pfizer Inc., "Wire injection nozzle".

The 9th October, 1987

- 886/Del/87. Aditya Gupta, "A pilferproof seal for general purposes".  
 887/Del/87. Farrel Corporation, "Internal batch mixing machines with non-intermeshing rotors of increased performance".  
 888/Del/87. Farrel Corporation, "Two-wing non-intermeshing rotors of increased performance for use in internal batch mixing machines".  
 889/Del/87. Union Carbide Corporation, "Catalytic isomerization of sulfur-containing feedstocks".

**APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13**

The 11th September, 1987

- 292/Bom/87. P. R. Venkatarao, Re-usable multidimensional template.  
 293/Bom/87. Kalyanji Shah, A device for extracting lemon juice.

The 14th September, 1987

- 294/Bom/87. J. S. Canteenwalla, An improved seal.

The 18th September, 1987

- 295/Boh/87. B. B. Sharma & S. Narsinganj, Improvement in and modification of forming rolls for use in the fabrication of welded tubes

The 21st September 1987

- 296/Bom/87. Bajaj Auto Limited, A two wheeler motor vehicles.

The 23rd September, 1987

- 297/Bom/87. Bhabha Atomic Research Centre, A telescopic electrode seal device for use in a completely closed electric arc furnace and such a furnace having the same.

- 298/Bom/87. American Combustion Inc. Method and apparatus for recovering sulfur from gases containing hydrogen sulfide,

The 25th September, 1987

- 299 Bom/87. N. R. Parnjape, A differential capacitance type level detector.

- 300/Bom/87. R. A. Kagalwala, Improvements in or relating reflectors for electric lamps.

- 301/Bom/87. Automobile Products of India Limited, Improved rear engine mounted chassis for 3-wheeler auto-rickshaw and the like transport vehicle.

The 29th September, 1987

- 302/Bom/87. K. R. Dholaria, A device to measure rate of consumption of carbon dioxide by vegetable plants of different fuels.

- 303/Bom/87. Hindustan Lever Ltd. Detergent compositions. 30th September, 1986, Gr. Britain.

- 304/Bom/87. Hindustan Lever Ltd. Detergent compositions. 30th September, 1986, Gr. Britain.

The 30th September, 1987

- 305/Bom/87. S. B. Patel, An industrial high bay made up of tube lights.

- 306 Bom/87. Rashtriya Chemicals & Fertilizers Ltd. An improved process for the manufacture of ammonium polyphosphate.

- 307/Bom/87. Rashtriya Chemicals & Fertilizers Ltd. Process development of N, N-bis (Phosphonomethyl Glycine), (known generically as Glyphosine novel plant growth regulator specific for cane sugar).

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE, BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002**

The 12th October, 1987

- 727/Mas/87. Lucas Industries Public Limited Company, Improvements relating to disc brakes. (October 16, 1986; United Kingdom).

- 728/Mas/87. Carl Freudenberg, Vulcanisation accelerators.

- 729/Mas/87. Carl Freudenberg, Vulcanisation accelerators.

- 730/Mas/87. Carl Freudenberg, Vulcanisation accelerator.

- 731/Mas/87. Extel Corporation, Adaptation of Computer to communication operation.

- 732/Mas/87. Deutsches Aussatzigen-Hilfswerk e.V. A method for preparing a drug composition to combat infectious diseases. (Divisional to Patent Application No. 479/Mas/85).

The 13th October, 1987

- 733/Mas/87. London Laboratories Limited, Improved reducing agent and method for the electroless deposition of silver.

- 734/Mas/87. Ammonia Casale S.A. & Umberto Zardi, System to reduce energy consumptions in Heterogeneous synthesis reactors and relative reactors.

- 735/Mas/87. Hoechst Aktiengesellschaft & Uhde GmbH, A process for the production of vinyl chloride through thermal cracking of 1, 2-dichloroethane.

The 14th October, 1987

- 736/Mas/87. BASF Aktiengesellschaft. Neutralization of reaction mixtures obtained by Beckmann rearrangement of cyclohexanone oxime.
- 737/Mas/87. Hoechst Aktiengesellschaft. The preparation of L-phenylalanine with the aid of recombinant bacteria.
- 738/Mas/87. BBC Brown Boveri AG. Method of making an encircling groove on the edge of a semiconductor slice of a power semiconductor component.
- 739/Mas/87. Schutz-Werke GMBH & Co., KG. A stoppered cask.

The 15th October, 1987

- 740/Mas/87. Maschinenfabrik Rieter AG. Method and device for evenning the density of a fibre batt at the infeed to a textile machine.
- 741/Mas/87. Maschinenfabrik Rieter AG. Method and device for automatic compensation of sliver density variations in textile machines such as cards, draw-frames and the like.
- 742/Mas/87. Plessey Overseas Limited. An arrangement for linking multistage switching matrices (October 15, 1986; United Kingdom).

The 16th October, 1987

- 743/Mas/87. Central Sericultural Research and Training Institute. A silk reeling charkha for reeling silk and a method of reeling and re-reeling silk (Divided out of Patent Application No. 498/Mas/84).
- 744/Mas/87. Plessey Overseas Limited. Coin handling system. (October 30, 1986; United Kingdom).
- 745/Mas/87. Stauffer Chemical Company. Iminooxazolidines, process of preparation and method of use.
- 746/Mas/87. Alan Arthur Wells. Gas resonance device. (November 6, 1986; Great Britain).

#### ALTERATION OF DATE

161409. Antedated to 13th January 1982. (619/Cal/85).

161410. Ante dated to 13th January, 1982. (620/Cal/85)

#### COMPLETE SPECIFICATION ACCEPTED

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CLASS : 32-F<sub>2</sub> b ; 55-E<sub>2</sub>

161391

Int. Cl. C 07 d 39/12.

A PROCESS FOR THE PREPARATION OF 6, 7-DIHYDRO-5, 5' 8-DIMETHYL-9-FLUORO-1-OXO-1H, 5H-BENZO-[ij] QUINOLIZINE-2-CARBOXYLIC ACID.

Applicant : RIKER LABORATORIES, INC., AT 3M CENTER, SAINT PAUL, MINNESOTA 55144, U.S.A.

Inventor : J. RICHARD MARK STERN.

Application No. 1382/Cal/83 filed November 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 claim

A process for the preparation of 6, 7-dihydro-5, 8-dimethyl-fluoro-1-oxo-1H-benzo-[ij] quinolizine-2-carboxylic acid comprising the steps of

(a) in the presence of a dilute aqueous acid, reacting 5-amino-2-fluorobenzoic acid with crotonaldehyde or a precursor of crotonaldehyde which generates crotonaldehyde to provide 5-carboxy-fluoro-quinaldine, and

(b) reducing said 5-carboxy-fluoroquinaldine, to provide 6-fluoro-5-methyl-1, 2, 3, 4-tetrahydro-quininaldine, and

(c) accompanied by heating, condensing said 6-fluoro-5-methyl-1, 2, 3, 4-tetrahydroquinaldine with diester of an alkoxyimethylenemalic acid to provide a diester of 2-[N-(6-fluoro-5-methyl-tetrahydroquinaldiny)] methylenemalic acid, and

(d) accompanied by heating and using polyphosphoric acid or phosphorus oxychloride, cyclizing said diester of 2-[N-(6-fluoro-5-methyltetrahydro-quinaldiny)] methylenemalic acid to provide an ester of 6, 7-dihydro-5, 8-dimethyl-9-fluoro-1-oxo-1H, 5H-benzo-[ij] quinolizine-2-carboxylic acid, and

(e) deesterifying said ester product of step (d) to provide 6, 7-dihydro-5, 8-dimethyl-9-fluoro-1-oxo-1H, 5H-benzo-[ij] quinolizine-2-carboxylic acid.

Compl. Specn. 18 pages. Drgs. 2 sheets.

CLASS : 155-D.

161392

Int. Cl. D 06 m 17/00.

PROCESS FOR FORMING A COMPOSITE ARTICLE HAVING SELECTED STRETCH AND RECOVERY PROPERTIES, AND A COMPOSITE ARTICLE FORMED BY THE PROCESS.

Applicant : W.L. GORE & ASSOCIATED, INC., OF 555 PAPER MILL ROAD, P.O. BOX 9329, NEWARK, DELAWARE 19711, U.S.A.

Inventors : 1. DEXTER WORDEN 2. FREDERIC TERENCE WILSON, 3. LINDA JEAN GRUBB.

Application No. 1427/Cal/83 filed November 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 claims

A process for forming a composite article comprising at least two layers, said layers comprising a first layer of microporous hydrophobic plastics material having a moisture vapor transmission rate exceeding 1000 g/m<sup>2</sup>/day and an advancing water contact angle exceeding 90 degrees, and a second layer of an elastomeric hydrophilic material having a

major portion of one surface in bonded relationship with a face of said first layer, said hydrophilic layer having a moisture vapor transmission rate exceeding 1000 g/m<sup>2</sup>/day, characterised by mechanically stretching the layered article to extend the first layer in one direction at least 50% beyond its yield point, and relaxing the stretched composite article.

Compl. Specn. 19 pages. Drg. 1 sheet.

CLASS : 69-A. 161393

Int. Cl. H 01 r 39/00.

VACUUM INTERRUPTER CONTACT STRUCTURE AND METHOD OF FABRICATION.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT LEROY THOMAS.

Application No. 1525/Cal/83 filed December 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

An electrical contact member for use in a vacuum interrupter and which is electrically connectable by brazing to a conductive support stem, said contact member comprising a generally disk-like member comprises of a high temperature resistant, conductive first component, and a high conductivity second component and wherein a higher density contact portion is provided on the contact side opposed to the arcing side, which higher density contact portion extends into the contact body to permit brazing of the contact member to a supporting copper stem.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 105-B ; 126-B. 161394  
Int. Cl. G01 v 1/32, 1/40.

APPARATUS FOR DETECTING FRACTURES BY ULTRASONIC ECHOGRAPHY.

Applicant : INSTITUT FRANCAIS DU PETROLE, 4, AVENUE DE BOIS PREAU 92502 RUEIL MALMAISON, FRANCE.

Inventor : 1. GUY NOREL.

Application No. 1590/Cal/83 filed December 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

Apparatus for detecting fractures by ultrasonic echography along the wall of a formation or a material, comprising a tool body (1) which is adjusted to place, in the immediate vicinity of wall (5) of the material or the formation to be studied, by at least one transmission element of transducer (T) which is adjusted to transmit and receive small-aperture-angle beam of ultrasonic signals along a direction which is essentially perpendicular to the above-mentioned wall means such as ring (11), delimiting between the transducer and the abovementioned wall a space (11a) which has a small known thickness (e) and, wherein the abovementioned beam is a beam of ultrasonic signals, the abovementioned space (11a) contains an intermediate medium which does not form a distinct interface with the abovementioned wall (5) which would be able to produce an appreciable parasitic reflection of ultrasonic signals (E) emitted by the transducer and the abovementioned apparatus comprising also means (27, 29) connected to the abovementioned transducer (T) for defining at least a limited time interval (F1) for detecting ultrasonic signals received by this transducer this interval of time being when, since when ultrasonic signals (E) emitted by

transducer (T), a time has elapsed which is essentially equal to the out-and-back travel time of the ultrasonic signals through the abovementioned thickness (e) of the intermediate medium.

Compl. Specn. 20 pages. Drgs. 3 sheets.

CLASS : 88-E.

161395

Int. Cl. C 10 j 1/00.

PROCESS FOR PRODUCTION OF SYNTHESIS GAS AND EQUIPMENT FOR IMPLEMENTATION OF THE PROCESS.

Applicant : M.A.N. MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT OF BAHNHOFSTRASSE 66, 4200 OBERHAUSEN 11, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DR.-ING. KLAUS KNOP, 2. DR.-ING. PETER HEINRICH.

Application No. 1595/Cal/83 filed December 28, 1983.

Convention dated 6th September, 1983 (18775-83) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 claims

Process for production of a synthesis gas with subsequent gas treatment for re-use of part of the gas stream in the reactor, in which portion of the waste heat from the reactor is once again supplied to the circulating gas after the gas treatment in accordance with Indian Patent No. 159054 wherein the heat exchange between the hot gas issuing from the reactor and the cold circulating gas entering the reactor is effected regeneratively.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS : 119-A & B.

161396

Int. Cl. D 03 d 37/00.

A SHAFT DRIVING DEVICE ON A LOOM.

Applicant & Inventor : FRANZ XAVER HUEMER, OF SONNENUHRGASSE 4, 1060 VIENNA, AUSTRIA.

Application No. 134/Cal/84 filed February 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 claims

A shaft driving device on a loom, particularly a circular loom, in which inner and outer partial shafts are arranged in circular manner and in two rows around a main shaft of the loom, with a driving mechanism comprising belt fasteners or the like, which engage with the partial shafts in each case on a shaft sliding frame, said shaft sliding frames being supported on a rotary plate cam in each case by follow-up means and said shaft sliding frames being in up-and-down movement on vertical guide means so as to generate an undulatory movement between the inner and outer partial shafts, characterized in that the shaft sliding frame (29), which is motion connected with the plate cam (33) by said follow-up means (31), is supported in up-and-down movement on at least one vertical guide rail (40) by at least three lateral guide rollers (41).

Compl. Specn. 18 pages. Drgs. 2 sheets.

CLASS : 27-G H, I &amp; M. 161397

Int. Cl. F 04 b 1.00, 2/00.

## A MODULE FOR CONSTRUCTION OF THE CORNER OF A WALL OF A BUILDING.

Applicant : BASIL CHARLES TAYLOR, OF 29 STUART MOULD CRESCENT, SEVEN HILLS, NEW SOUTH WALES, AUSTRALIA 2147.

Inventor 1. BASIL CHARLES TAYLOR.

Application No. 203/Cal/84 filed March 27, 1984.

Convention dated 15th November, 1983 (PG 2393) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 claims

A module for construction of the corner of a wall of a building, comprising a pair of upper and a pair of lower horizontal structural member said upper members being directly above respective lower members, and said upper and lower members meeting at an angle representing the chosen angle of the said corner, the outer ends of said members being joined and spaced by a pair of studs, said studs having cross-sectional shapes whereby they are adapted to interlock stud to stud with side wall modules and providing a through aperture for a bolt, the inner ends of said members being joined together and vertically spaced by at least one stud, the cross-section thereof providing an aperture for a bolt, said bolts being adapted to connect said modules to a frame member or foundation member for construction of a building.

Compl. Specn. 6 pages. Drgs. 2 sheets.

CLASS : 85-K &amp; J. 161398

Int. Cl. F 22 b 35/00 ; F 23 n 5.00.

## IMPROVEMENTS IN OR RELATING TO PULVERISED FUEL BENDS FOR FUEL-AIR MIXTURE SUPPLY PIPES FOR BOILERS.

Applicant : SAP INDUSTRIES, OF 105, MADHU SUDHAN PAUL CHOWDHURY LANE HOWRAH-711101, WEST BENGAL, INDIA.

Inventor : 1. SNEHENDU BISWAS.

Application No. 277/Cal/84 filed April 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 claims

A pulverised fuel bend comprising an inner wall and an outer wall, the exterior of the said outer wall being provided with a cladding covering upto half the outer or peripheral surface of the pulverised fuel bend, the interior of the outer wall being provided with plurality of speed breakers in a spaced relationship located at equal distances, the gaps of the interior of the outer wall between every two adjacent speed breakers being coated with chromium carbide in the form of high spots so as to prevent any turbulence that may be caused in the fuel air mixture flow after the speed of the fuel flow is arrested by the breakers in the pulverised fuel bend.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 69-I. 161399

Int. Cl. H 02 b 13/00.

## A TERMINAL ARRANGEMENT FOR A SWITCHGEAR OR A COMBINATION OF SWITCH GEARS.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. GUNTER FRIETZEL, 2. FRIEDRICH WITIBSCHLAGER.

Application No. 341/Cal/84 filed May 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 claims

A terminal arrangement for the connection of auxiliary lines to a switchgear or to a combination of switchgears, the terminal arrangement comprising a terminal strip or block which is attached to the or a switchgear and which comprises : first contact elements for cooperation with switch-side auxiliary lines; an equal number of second contact elements for cooperation with other non switch-side, auxiliary lines which are to be put into electrical connection with said switch-side auxiliary lines via the terminal strip or block; and additionally at least the same said equal number of third contact elements so that for each switchgear-side auxiliary line there are at least two contact elements for non-switch-side auxiliary lines.

Compl. Specn. 20 pages. Drgs. 2 sheets.

CLASS : 68-E. 161400

Int. Cl. H 02 j 1/00; 3/00.

## INSTALLATION FOR HIGHER-ORDER HARMONICS FILTERING AND POWER COEFFICIENT IMPROVING IN MEDIUM VOLTAGE NETWORKS OF DISTORTION STATE POWER CONSUMERS.

Applicant : INSTITUTUL DE CERCETARE STIINTIFICA SI INGINERIE TEHNOLOGICA PENTRU INDUSTRIA ELECTROTEHNICA, OF BOCHAREST-BOULV. T. VLADIMIRESCU NO. 45/47-ROMANIA.

Inventors : 1. CHITIAN ALEXANDRU, 2. POIANA CRISTIAN DANUT, 3. ENACHESCU YVONNE 4. PASARE EMIL.

Application No. 437/Cal. 84 filed June 22, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 claims

Installation for filtering higher-order harmonics and improving the medium voltage networks of the distortion state power consumers, containing a supply cell, a series of absorption filter-blocks and a control board for measuring-protection-signalling, characterized by that in view to improve the electric energy quality and power coefficient, together with a constructive simplification and rising of the efficiency and reliability in operation, the no-load operation of each block of harmonic filters (B<sub>1</sub>-B<sub>4</sub>) is achieved by means of common separators (a<sub>1</sub>) which by earthing knives assure a precise condenser discharge K—8) the tuning —5

of the absorption filters at the frequencies for which they were built is achieved by several air-cored three-phase coils K—K) the measuring-protection-signalling control being achieved by a common non-specialized equipment for commutation capacitive state, but connected to a circuit specific for this installation, consisting of : control circuits (5-8); delay circuits to operate the connection after disconnection (4); monitoring circuits for control circuits integrity and the difference between the position of the control switch and that of the circuit breaker (9, 10, 42, 45, 46, 47, 48); measuring circuits at the installation supply and at each absorption filter-block; peak protection of current circuits for installation supply and its delay (11, 12); overload protection circuits for absorption filter-blocks; differential protection circuits for condensers and their delay (13-16); self-arresting circuits for protection operation and disconnection by protections (17, 27); signalling circuits for protection operation (43, 44), signalling circuits for peak protection of current operation (18, 32); signalling circuits for differential protection operation of condensers (19—22 and 33—36); signalling circuits for overload protection operation of absorption filter blocks (23—26 and 37—40); blocking circuits for separators operation (28—31); emergency signalling circuits (41); circuits for local signalling of circuit breaker position (49, 50); signalling circuits for separator knives position (51—66).

Compl. Specn. 14 pages. Drg. 9 pages.

CLASS : 136-F.

161401

Int. Cl. B 29 d 9/00.

A HEAT AND PRESSURE CONSOLIDATED DECORATIVE LAMINATE AND PROCESS FOR THE PREPARATION OF SAME.

Applicant : FORMICA CORPORATION, OF 1 CYANAMID PLAZA, MAYNE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : 1. JOHN FREDFRICK HOSLER.

Application No. 704/Cal/84 filed October 1, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 claims

A heat and pressure consolidated decorative laminate comprising, in superimposed relationship,

(a) a self-supporting substrate, and

(b) a thermoset resin impregnated decorative sheet,

the outermost surface of said laminate containing mineral particles, such as herein described said particles ranging in size from about 5 to about 100 micrometers and being positioned within about the outermost 25 microns of said laminate thickness and in an amount ranging from about 0.5 to about 25 grams per square meter of laminate surface area.

Compl. Specn. 22 pages. Drgs. nil.

CLASS : 27-I.

161402

Int. Cl. F 16 s 1/02.

#### BUILDING PANELS.

Applicant : RON ALLAN INDUSTRIES (AUSTRALIA PTY. LIMITED OF UNIT 7, 134 MITCHELL STREET, NORTH WARD, TOWNSVILLE, QUEENSLAND, 4810, AUSTRALIA.

Inventor : 1. RONALD FREDFRICK ALLAN.

Application No. 721/Cal/84 filed October 15, 1984.

Convention dated 20th October, 1983 (PG 1948) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A building panel of rectangular shape and substantially uniform thickness including :

top and bottom corner connectors inset and secured into the four corners of the panel each connector having means for connection to a corresponding connector of an adjacent similar panel and also means for connection to a floor beneath, or a superstructure above the panel, wherein :

each of the connectors is a tubular member with its ends, at least one of which is open, at opposite faces of the panel; and

the means for connection include a bolt hole with its axis perpendicular to a side edge of the panel to receive a fastener for the corresponding connector of the similar panel and a further bolt hole with its axis perpendicular to the bottom or top of the panel to receive a fastener from the floor or superstructure respectively.

Compl. Specn. 11 pages. Drgs. 3 sheets.

CLASS : 105-C.

161403

Int. Cl. G 01 f 11/00.

A STATIC SINGLE PHASE KILO-WATT HOUR METER.

Applicants & Inventors : (1) MADHAV ANANT DATE, (2) VITHAL NARASINHA KAMAT, OF C/O. D. D. PRABHU, SARASWATI NIKFT, 5, CAMAC STREET, CALCUTTA-700 017, WEST BENGAL, INDIA.

Application No. 74/Cal/85 filed February 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

5 claims

A static signal phase energy meter based on peak detection of positive value of integral of current during the positive half of the supply voltage wave form and of positive value of voltage wave form during the negative half of the integral of the current, the product of which is proportional to the energy per cycle, comprising a potential transformer (PT) and current transformer (CT), an integrator A connected to the current transformer (CT), an integrator (M) connected to the potential transformer (PT) for driving a transistor T<sub>1</sub> to saturation to blank out the integral of current during the negative cycle of voltage the output of the integrator A, so controlled, being fed to peak detector B, which obtains values  $I_m \cos \phi$  or  $V_m$ ; the voltage signal,

amplified by C and blanked during the positive half of the integral of current through the comparator N and transistor T<sub>2</sub>, being fed to a second peak detector D, which obtains value  $V_m$  or  $V_m \cos \phi$ ; the product of the output of B and D being obtained with the help of the synchronous ramp O, the amplifier P, comparator V and transistor T<sub>3</sub>, the said cut-off point being amplified by the amplifier V and its peak value, representing energy per cycle being obtained by the peak detector W; the registration of the energy per cycle being achieved through another ramp F and the comparator Z acting as a gate to let through pulses from the clock 555, which pulses through appropriate dividing circuits are employed for displaying the energy consumed, the pulses per cycle representing energy per cycle being counted every cycle, this being achieved by use of pulses from comparators Y and Z through appropriate circuitry to discharge the peak detectors B, D and W every cycle.

Compl. Specn. 17 pages. Drgs. 3 sheets.

CLASS : 27-I.

161404

Int. Cl. E 04 c 3/00 ; E 04 g 1/00.

#### BASE SUPPORT FOR POLE.

Applicant & Inventor : JEAN-JACQUES BOLLMANN, OF FLUHGASSE 49 8008 ZURICH, SWITZERLAND.

Application No. 80/Cal/85 filed February 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

10 claims

A base support for fastening a pole standing off from a foundation, provided with a base member or an anchor body having below a base wall being attachable in relation to a foundation by a central anchor bolt or a connecting bolt and rotatable around a first rotation axis which is substantially perpendicular to the foundation above it an all around running side wall and on the top an access opening surrounded by a ring-shaped bearing surface proceeding transversely to the base wall and showing such a dimension that through the access opening the anchor bolt is insertable and accessible, and with a pole supporting member presenting at the top a connecting arm for the pole, below an all around running side wall and at its bottom a mounting wall having a ring-shaped supporting surface which is complementary to the bearing surface whereby the mounting wall is provided with a central bore for permitting a rotation around a second rotation axis proceeding perpendicular to the bearing

or supporting surface, whereby the central boring serves for passing through a stud bolt which has a perpendicular position to the bearing or supporting surface and secures the mounting wall to the base wall, thus establishing a firm axial clamp joint between the bearing and the supporting surface, the stud bolt being axially braced against the mounting wall and accessible through an access opening in the upper region of the pole supporting member, characterized in that radially outside the access opening (15), between the base wall (13) and the mounting wall (23), an axial, dynamically balanced insert connection (25, 26), is provided being concentric to a second rotation axis (24), and that the central stud bolt (27) is fastened at the base member in the peripheral area of the access opening still radially inside the insert connection (25, 26), however, by a screw joint (37, 37', 37''), being accessible and operable from above.

Compl. Specn. 18 pages. Drgs. 3 sheets.

CLASS : 48-A. 161405  
Int. Cl. H 01 b 7/04.

**MULTI-CONDUCTOR FLEXIBLE ELECTRICAL CABLE.**

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. MAS BARNICOL-OTTLER, 2. MARTIN LOCZENSKI, 3. NORBERT MIESCHKE, 4. GERHARD CITE, 5. GERHARD PRZYBYLSKI, 6. DIFTMAR WEBER, 7. ERICH PUFF.

Application No. 110/Cal/85 filed February 14, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

10 claims

A multi-conductor flexible electrical cable comprising insulated conductors which are stranded together to form a cable core, plastics support elements arranged symmetrically throughout the outer circumference of the cable core and engaging with adjacent insulated conductors in the outer region of the cable core, a covering arranged on said cable core and on said plastics support elements, said covering being formed of a plurality of high tensile longate elements, a thin plastics layer which surrounds the covering and the plastics support elements so as to join together the covering and the support elements, and an insulating sheath surrounding said thin plastics layer.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 143-C. 161406  
Int. Cl. B 65 b 13/00.

**A METHOD OF FORMING A CARGO PACKAGE AND A CARGO PACKAGE FORMED THEREBY.**

Applicants & Inventors : (1) ALEXANDER STEPANO-VICH BUT, OF MOSCOW, ULITSA EGERSKAYA, 5, KORPUS 1, KV. 131, USSR; (2) LEONID PETROVICH GREBENNICKOV, OF MOSCOW, ULITSA BAIKALSKAYA, 51, KORPUS 3, KV. 58, USSR.

Application No. 201/Cal/85 filed March 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

5 claims

A method of forming a cargo package with two ring slings having a carrying and a closing slings whereby the cargo package is assembled on the carrying sling, with loops formed by package-free sling sections, the closing sling is placed on a top part of the closing sling, with loops formed by the package-free sling sections, a ring is formed by each loop of the carrying sling cargo-free section, each closing sling is inserted loop into the carrying sling ring, and the closing sling loops are tightened to form a running knot, wherewith each ring is formed by two turns of the carrying sling package-free sections loop wherein the closing sling loop is inserted from outside inside toward the assembled package.

Compl. Specn. 10 pags. Drgs. 3 sheets.

CLASS : 8-D.

161407

Int. Cl. A 63 b 67/18.

**IMPROVEMENTS IN SHUTTLECOCKS.**

Applicant & Inventor : ROY WILLIAM BUCKLAND OF 35, PENNYCROFT, PIXTON WAY, FORESTDALE, CROYDON CR0 9LL, ENGLAND.

Application No. 211/Cal/85 filed March 21, 1985.

Convention dated 22nd March, 1984 and 10th April, 1984 (8407405 and 8409276) both are United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

12 claims

A badminton shuttlecock comprising a base, a plurality of flight feathers diverging upwardly from said base in an annular array, a connector element secured to said base and a bracing ring located intermediate the ends of the flight feathers above said base and with which each of the stems of the flight feathers cooperates, said connecting element and said bracing ring being joined together by a connecting structure, and said connecting element and said base being adjustably connected together by cooperating screw threads for causing an alteration in the speed of the shuttlecock.

Compl. Specn. 9 pages.

Drgs. 3 sheets

CLASS : 14-C.

161408

Int. Cl. H 01 v 1/00.

**A SOLAR BATTERY PACKAGE.**

Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD., OF 1006, OAZA KADOMA, KADOMA-SHI, OSAKA, JAPAN.

Inventors : 1. HIKOFUMI OIDO, 2. YOSHITAKE HAYASHI, 3. MINORU YAMAMOTO, 4. JUN MURATA.

Application No. 240/Cal/85 filed March 30, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 claims

A solar battery package comprising :

a glass substrate having a solar battery element formed on the surface thereof opposite to the lightreceiving surface;

a back plate disposed to oppose the surface of said glass substrate opposite to the light-receiving surface through a vacant space preserved therebetween;

a frame which is connected to its peripheral portion to said glass substrate and said back plate;

a sealing layer of a resin such as herein described provided between the peripheral portion of said back plate and the corresponding portion of said frame so as to insoluble said vacant space from the outside;

a desiccant layer of a material such as herein described provided in said back plate and adapted for absorbing moisture; and

lead wires for taking out electric energy produced in said solar battery element.

Compl. Specn. 30 pages. Drgs. 6 sheets.

CLASS : 48-A, c 112-F.

161409

Int. Cl. B 01 j 17/32; H 01 b 1/02, 3/00; B 01 c 17/00.

**A PROCESS FOR PREPARING AN ARTICLE BY FUSING A MATRIX OF A FIRST ELECTRICALLY CONDUCTIVE ELEMENT WITH AT LEAST ONE SECOND ELECTRICALLY CONDUCTIVE ELEMENT.**

Applicant : METAFUSE LIMITED, OF 20 METEOR DRIVE, REXDALE, ONTARIO M9W 1A5, CANADA.

Inventor : 1. ADY JOSEPH.

Application No. 619/Cal/85 filed August 28, 1985.

Divisional of Application No. 56/Cal/82 dated 13th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 claims

A process for preparing an article by fusing, at an ambient temperature, a matrix of a first electrically conductive element with at least one second electrically conductive element, said process comprising the steps of

- (a) bringing said second conductive element into contact with a limited area of an adjacent surface of said first conductive element,
- (b) applying a half-wave interrupted pulsing signal in the range of 2.5 microseconds to 28.6 nano-seconds with a frequency of 400 Hz to 35 MHz and an amplitude of about 3 amps over an area of about 0.3 square mm, and
- (c) fusing said second conductive element in said first conductive element to a depth of more than 0.5 µm and depositing a surface layer of said second chemical element of more than 0.5/µm thickness.

Compl. Specn. 75 pages. Drgs. 36 sheets.

CLASS : 48-A<sub>3</sub> c; 112-F.

161410

Int. Cl. B 01 j 17/32; H 01 b 1/02, 3/00; H 01 c 17/00.

A PROCESS FOR PREPARING IN ARTICLE BY FUSING A MATRIX OF A FIRST ELECTRICALLY CONDUCTIVE CHEMICAL ELEMENT WITH AT LEAST ONE SECOND ELECTRICALLY CONDUCTIVE CHEMICAL ELEMENT WHICH IS IN A DISSOCIABLE FORM AS PART OF A SOLUTION.

Applicant METAFUSE LIMITED, OF 20 METEOR DRIVE, REXDALE, ONTARIO M9W 1A5, CANADA.

Inventor : 1. ADY JOSEPH.

Application No. 620/Cal/85 filed August 28, 1985.

Division of Application No. 57/Cal/82 dated 13th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 claims

A process for preparing an article by fusing a matrix of a first electrically conductive chemical element with at least one second electrically conductive chemical element, the latter being in a dissociable form as part of a solution, said process comprising the steps of :

placing the solution in contact with an adjacent surface of said first conductive chemical element; and

applying an interrupted half-wave electrical pulsing signal within a frequency in the range of 400 Hz to 35 MHz to said solution and said first conductive chemical element, said signal having an amplitude of 3 namps or less per 0.3 square mm, whereby said second conductive chemical element is fused with said first conductive chemical element without substantial generation of heat.

Compl. Specn. 77 pages. Drgs. 36 sheets.

CLASS : 39-P & 123.

161411

Int. Class : C01 g, 45/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF MANGANESE SULPHATE".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KULAMANI PARIDA, SREEPADA BHANOOJEE RAO, RAVINDRA SINGH THAKUR, JONNTLA GADDA RAJAGOPALA RAO AND BHARAT RAM-KRISHNA SANT.

Application for Patent No. 504/Del/84 filed on 21st June, 1984. Complete specification left on 18th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

#### 7 claims

An improved process for the preparation of manganese sulphate which comprises heating a mixture of manganese dioxide or naturally occurring manganese oxide in powder form and iron pyrite in the presence of air at a temperature not exceeding 610°C extracting the reaction mass with water and processing the aqueous extract by known methods for the recovery of manganese sulphate.

Compl. Specn. 6 pages.

CLASS : 32E & 70C<sub>7</sub>.

161412

Int. Class : C08F 5/00.

IMPROVEMENTS IN OR RELATING TO ELECTRO-CHEMICAL SYNTHESIS OF POLYINDOLE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : DINESH CHANDRA TRIVEDI, VENKATA SUBRAMANIAN KRISHNAN DOKETHOOR SHIRVARA UDUPA & KUMMATTITHIDAL SANTHANAN RAJ-GOPALAN.

Application for Patent No. 586/Del/84 filed on 21st July, 1984.

Complete specification left on 21st June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

#### 7 claims

An improved process for the preparation of polyindole which comprises electrochemical polymerization of indole in an electrolyte bath containing a supporting electrolyte in a solvent the anode and the cathode being stainless steel and having an area of 30cm<sup>2</sup>C.

Provisional specification 6 pages.

Compl. Specn. 6 pages.

CLASS : 66 D-4.

161143

Int. Class : H01 33/00.

Title : IMPROVEMENTS IN OR RELATING TO ELECTRIC BULB HOLDER.

Applicant : SAMIR MAHAJAN & SMT. KRISHNA MAHAJAN, BEING THE PARTNERS AND TRADING AS GOLDEN PEACOCK, A REGISTERED INDIAN PARTNERSHIP CONCERN, BOTH INDIAN NATIONALS AND OF B-14, GREATER KAILASH ENCLAVE, NEW DELHI-110048.

Inventor : RAJAN KAPOOR.

Application for Patent No. 588/Del/84 filed on 23rd July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

4 claims

An improved electric bulb holder characterised in that the holder comprises of a one-piece external body and a porcelain unit, the one-piece external body having a pair of clips at diametrically opposite ends in the centre being adapted to move inwards and outwards, a pair of straight slots provided on the porcelain unit being similar to and engage the clips when pressed in the inward position and a pair of circular collars provided above the straight slots prevent the porcelain unit to slip out of the one-piece external body when the clips are pressed in the inward position.

Compl. Specn. 5 pages.

CLASS : 152 F.

161414

Int. Class : C08f 29/00.

## PROCESS FOR PRODUCING A CURABLE COMPOSITION.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : SUSAN MARY HORLEY, AUGUSTE LOUIS LUCIEN PALLUEL & PHILIP LOUIS TAYLOR.

Application for Patent No. 625 Del/84 filed on 3rd August.

Convention date 19th August, 1983/8322399/(U.K.)

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

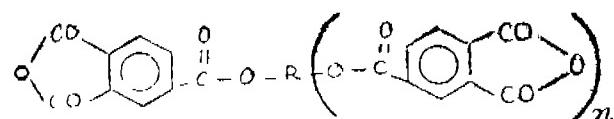
5 claims

A process for producing a curable composition comprising mixing the following compounds :

(i) a compound containing in the molecule at least two hydroxyl groups and being either a C<sub>2</sub>-6 diol or C<sub>3</sub>-6 triol, or an oligomer of styrene and allyl alcohol, or a polypropylene glycol having a molecular weight in the range 400 to 4000, or an oligomer of caprolactone, or an addition polymer being an acrylic resin having a backbone comprising the residues of at least one hydroxyalkyl ester of acrylic acid or methacrylic acid and an hydroxyl-free monomer, or an addition polymer comprising the residues of :

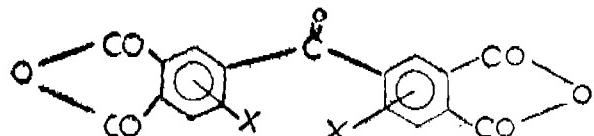
- (a) a monomer which is the 1:1 molar adduct either of an alpha-beta-ethylenically unsaturated carboxylic acid with the glycidyl ester of an aliphatic carboxylic acid or of the glycidyl ester of an alpha-beta-ethylenically unsaturated carboxylic acid with an aliphatic carboxylic acid;
- (b) a hydroxyalkyl ester of an alpha-beta ethylenically unsaturated carboxylic acid and
- (c) one or more alpha-beta ethylenically unsaturated monomers free from hydroxyl groups; or a polyester condensation polymer which contains the condensed residues of a polyhydric alcohol and a poly carboxylic acid;

(ii) a compound containing in the molecule at least two cyclic anhydride groups and being an adduct of trimellitic anhydride having the general formula I



Formula I

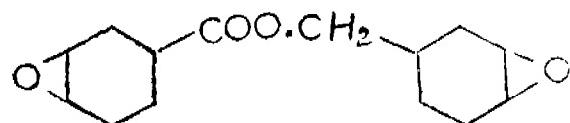
wherein n is 1 or 2, and R is a hydrocarbon radical containing from 2 to 12 carbon atoms, or an anhydride of the general formula II



Formula II

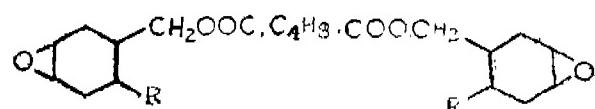
where the groups X are the same or different and represent hydrogen halogen, -NO<sub>2</sub>, -COOH, or -SO<sub>3</sub>H;

(iii) a compound containing in the molecule at least two epoxide groups and being either an epoxy resin which is the adduct of epichlorohydrin with bisphenol-A, or a bisepoxide having the general formula III



Formula III

or a bisepoxide having the formula IV



Formula IV

where R is H or CH<sub>3</sub>

Compl. Specn. 36 pages.

Draws. 3 sheets.

CLASS : 107F.

161415

Int. Class : F02p 15/00.

## IMPROVEMENTS IN INTERNAL COMBUSTION ENGINES OF THE DIESEL TYPE.

Applicant : JACQUES EDOUARD LAMY, A FRANCHE CITIZÉ, OF 16, RUE D'ESTIENNE D'ORVILL, 92260 FONTENAY-AUX-ROSES, FRANCE.

Inventor : JACQUES EDOUARD LAMY.

Application for Patent No. 606 Del/84 filed on 4th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

11 claims

An improved internal combustion engine of the 'diesel type which comprises :

- (a) a cylinder having a piston reciprocatively movable therein, said piston defining within said cylinder a variable volume combustion chamber equipped with at least one exhaust port or valve, said piston-cylinder combination having a volumetric compression rate of from 13 to 17.
- (b) injection means in communication with said chamber for injecting liquid fuel in the form of volatile light fractions and/or heavy fractions into said combustion chamber.
- (c) actuator means provided with said injection means and controlled by the movement of said piston to enable injection of said fuel at least in part at the end of the compression stroke of said piston, and
- (d) ignition means provided within said combustion chamber for igniting the fuel injected therin.

Compl. Specn. 15 pages. Drg. 1 sheet.

15 claims

A rapid pressure swing adsorption process for the selective adsorption of at least one more readily adsorbable gas component from a feed gas mixture in an adsorbent system having at least one adsorbent bed that undergoes a cyclic processing sequence that includes (a) feeding such gas mixture to the feed end of the bed for adsorption at high adsorption pressure, with discharge of a less readily adsorbable gas component as product effluent from the discharge end of the bed, (b) countercurrently depressurizing said bed, thereby exhausting the more readily adsorbable component from the feed end of the bed, and (c) repressurizing said bed from the lower pressure reached during countercurrent depressurization, the total cycle time being less than about 30 seconds, the improvement comprising contacting said feed gas mixture with said adsorbent bed containing particles in the form of millibeads of adsorbent material such as herein described such millibeads being essentially smooth, rounded particles having a particle size of about —40 > +80 mesh U.S. Standard Sieve Series, whereby gas flow and process performance are enhanced and undesired plug formation within the bed is minimized.

Compl. Specn. 33 pages.

CLASS : 34 B. 161416

Int. Class : C08b 15/02.

**"A PROCESS FOR THE TREATMENT OF CELLULOSIC MATERIALS WITH OXIDISING AGENTS".**

Applicant : INTEROX, A BELGIAN COMPANY, ON 33, RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM.

Inventors : JACQUES HEGEMAN MARCEL ROBBERTS & LUCIEN PLUMET.

Application for Patent No. 697/Del. 84 filed on 5th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 claims

A process for the treatment of cellulosic materials with oxidising agents of the kind such as herein described characterised in that the cellulosic materials are exposed to the combined action of microwaves and at least one oxidising agent.

Compl. Specn. 11 pages.

CLASS : 40 H. 161417

Int. Class : B01d 53/04.

**RAPID PRESSURE SWING ADSORPTION PROCESS FOR THE SELECTIVE ADSORPTION OF ATLEAST ONE MORE READILY ADSORBABLE GAS COMPONENT FROM FEED GAS MIXTURE.**

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, LOCATED AT OLD RIDGEBOURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA, MANUFACTURERS.

Inventors : THOMAS JOSEPH DANGIERI, AARON LAMAR BECK & ROBERT THOMAS CASSIDY.

Application for Patent No. 754/Del/84 filed on 26th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

CLASS : 42 A<sub>5</sub>, 3

161418

Int. Class : A24c 5 '00.

**Title : CIGARETTE MANUFACTURING MACHINE WITH AN AUXILIARY TOBACCO FEED UNIT.**

Applicant : G.D. SOCIETA PER AZIONI, AN ITALIAN COMPANY, OF VIA POMPONIA, 10, 40100 BOLOGNA, ITALY.

Inventor : RICCARDO MATTEI AND BRUNO BELVEDERI.

Application for Patent No. 797/Del. 84 filed on 16th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

A cigarette manufacturing machine comprising :

a main tobacco supply unit ;

a shredded tobacco supply duct extending downwardly from said main tobacco supply unit;

an auxiliary tobacco supply unit having an outlet communicating with an intermediate point of said duct, said auxiliary unit comprising an input conveyor and a tray, said tray being provided arranged between an outlet of said input conveyor and said duct, and having a bottom wall which extends in a substantially horizontal plane, and is substantially constant in width;

a vibratory unit being coupled to said tray to impart thereto a vibration the amplitude of which may be varied from point to point across said bottom wall;

and level detecting means supported by said duct and arranged therealong, said level detecting means being sensitive to the level of the tobacco within said duct, and controlling the amplitude of the vibration imparted by said vibratory unit to any point of said bottom wall so as to even out any difference in level detected by said detecting means over the width of said duct.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS : 126 A &amp; C.

161419

Int. Class : G01k 7/00, G01r 31/00 &amp; H01v 1/00.

Title : A THERMOCOUPLE OPEN CIRCUIT DETECTOR.

Applicant : GENERAL SIGNAL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A. OF HIGH RIDGE PARK, BOX 10010, STAMFORD, CONNECTICUT 06904, UNITED STATES OF AMERICA.

Inventor : THOMAS JOSEPH WALSH.

Application for Patent No. 800/Del/1984 filed on 16th Oct, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-110005.

## 2 claims

A thermocouple open circuit detector, comprising :

a thermocouple having one side connected to circuit common;

a pulse generator for generating pulses between an output line and circuit common;

a first capacitor connecting the output line of said generator to the other side of said thermocouple so that said pulses are conducted through said thermocouple to circuit common when the thermocouple is a complete circuit;

an amplifier having an inverting and a noninverting input;

a second capacitor-connecting said other side of said thermocouple to one of said inputs of said amplifier;

a voltage divider means connected at its tap to said one of said inputs of said amplifier so as to produce a bias of polarity and magnitude to maintain the amplifier output cut-off when noise signals appear in the thermocouple circuit when said thermocouple is a complete circuit; and

resistance means for connecting the output line of said generator to said one of said amplifier inputs in shunt to said first and second capacitors so that when said thermocouple is open-circuited said bias is overcome by the signal supplied from the pulse generator through said resistance means and said pulses are conducted to said one of said inputs of said amplifier to trigger it and produce an output therefrom to provide an indication of the open circuited condition.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 10F.

161420

Int. Class : F 42b 1320, 13/22.

PRACTICE PROJECTILE HAVING A VARIABLE RANGE.

Applicant : POCAL INDUSTRIES, INC., A COMPANY OF THE STATE OF PENNSYLVANIA, U.S.A. OF ROUTE 433, R.D. 1, GOULDSBORO, PENNSYLVANIA 18424, U.S.A.

Inventor : JENS C. JENSEN.

Application for Patent No. 822/Del/1984 filed on 23rd October, 84.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

## 13 claims

A practice projectile having a variable range, said projectile comprising :

(a) a shell body portion having a front end section, a rear end section, an outer surface an inner gas-conveying passage, propellant gas ingress aperture means and propellant gas exit aperture means,

(b) the outer surface has an outer caliber section for contacting inside surface of a barrel out of which the projectile is to be fired,

(c) the outer caliber section is located intermediate said front and rear end sections,

(d) the inner gas-conveying passage extends between the front end and rear end sections of the shell body portion,

(e) said propellant gas ingress aperture means are located in the rear end section and connect the rear end section of the inner gas-conveying passage to the outside of the shell body,

(f) said propellant gas exit aperture means are located in the front end section and connect the front end section of the inner gas conveying passage to the outside of the shell body,

(g) said propellant gas exit aperture means having openings with a predetermined larger area than area of openings of said ingress aperture means necessary for avoiding damage because of pressure build-up inside the shell body on firing said projectile and to provide a predetermined measured projectile range, and

(h) a tail portion connected to said rear end section.

Compl. Specn. 17 pages. Drgs. 2 sheets.

161421

CLASS : 35E.

161421

Int. Class : C04b 35/00.

A PROCESS FOR PROVIDING MODIFIED SILICA REFRACTORY STRUCTURES".

Applicant : GLAVERBEL, A BELGIAN COMPANY, OF CHUSSEE DE LA HULPE 166, B-1170 BRUXELLES, BELGIUM.

Inventor : ROBYN PIERRE &amp; DESCHEPPER PIERRE.

Application for Patent No. 128/Del/1984 filed on 13th February, 1984.

Convention date February 18, 1983 /8304619/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

## 4 claims

A process for providing a modified silica refractory structure at a normal working temperature of said refractory structure of at least 600°C and at most the maximum working temperature of the structure which comprises flame-spraying a mixture of finely divided particles of exothermically oxidisable material and particles of incombusible refractory material against a surface of a refractory structure to be modified characterised in placing in position in said refractory structure to be modified at least one vitreous silica brick, said silica brick being at a temperature below the temperature necessary to transform said silica brick from the vitreous to the crystalline state, and simultaneously flame-spraying said mixture against said vitreous silica brick and surrounding refractory structure to thereby form a refractory mass which effects bonding of said least one silica brick to the silica refractory structure.

Compl. Specn. 11 pages. Drg. 1 sheet.

161422

CLASS : 13A &amp; 143D.

Int. Class : B65d 29/00.

A BAG FOR PACKAGING OF CEMENT.

Applicant : CEMENT RESEARCH INSTITUTE OF INDIA, OF M-10 SOUTH EXTENSION II, RING ROAD, NEW DELHI-110049, INDIA, AN INDIAN INSTITUTE.

Inventors : HOSAGRAHARA CHANDRASEKHARAIH VISVESVARAYA, AJOY KUMAR MULLICK, JAYANT DATTARAYA BAPAT, KRISHNA MOHAN SHARMA & ASHOK KUMAR BHATIA.

Application for Patent No. 225/Del/84 filed on 13th March, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

2 claims

A bag for packaging of cement comprising an upper sheet stitched to a bottom sheet along three sides, the fourth side being a folded side, each of said sheets consisting of heavy Cee jute fabric, a cut at an upper corner of said bag along an arcuate path, an rectangular sheet of heavy Cee Jute Fabric provided at said upper corner to form a flap valve said flap valve sheet having an inlet end stitched to the bottom sheet of the bag, the opposite end of the said flap valve sheet being stitched to the upper sheet along an arcuate path corresponding to that of the cut, said sheets of said bag having a weave consisting of double warp 8×10 weave.

Compl. Specn. 8 pages. Drgs. 1 sheet.

CLASS : 24 C&E, 158D. 161423

Int. Class : H02k 49/00.

#### AN ELECTRICALLY CONTROLLED FORCE EXERTING ACTUATOR.

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPPENHAM, WILTSHIRE, ENGLAND.

Inventors : DAVID JOHN WICKHAM, JACK WASHBOURN & HOWARD FREDERICK COGAN.

Application for Patent No. 362/Del/84 filed on 28th April, 1984.

Convention date 17th June, 1983/8316544, 17th June, 1983/8316545 and 4th October, 1983/8326467/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

13 claims

An electrically controlled force exerting actuator which comprises a housing, an output member located within said housing, a force applying power spring connected to a fixed point within said housing and extending to said output member, a force applying control spring abutting said output member and extending to an adjustable stop member provided about a shaft, the position of said stop member being variable in an axial direction on said shaft, an electric motor connected to said shaft for operating said shaft, the operation of said motor and the rotation of said shaft causing the position of said stop member to vary, said variation decreasing or increasing the compression on said control spring which in turn acts on or away from said power spring to increase or detract from the force exerted by said power spring on said output member.

Compl. Specn. 32 pages. Drgs. 5 sheets.

CLASS : 24 C & E, 158D. 161424

Int. Class : H02k 49/00.

#### ELECTRIC ACTUATORS.

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPPENHAM, WILTSHIRE, ENGLAND.

Inventors : JACK WASHBOURN & HOWARD FREDERICK COGAN.

Application for Patent No. 363/Del/84 filed on 28th April, 1984.

Convention date 12th May, 1983/8313102, 23rd June, 1983/8317063, 23rd June, 1983/8317064, 20th March, 1984/8407178 & 20th March 1984/8407177 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

16 claims

An electric actuator comprising an output member movable from a first position to a second force exerting position, spring means for exerting a variable force on said output member for transmission by said output member when the output member is in the force exerting position thereof, and a variable output electric motor for varying the variable force exerted by said spring means on said output member in accordance with the output of the electric motor.

Compl. Specn. 37 pages. Drgs. 9 sheets.

CLASS : 24 C & E, 158-D.

161425

Int. Class : H02k 49/00 & B61h 13/00.

#### ELECTRIC ACTUATORS.

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPPENHAM, WILTSHIRE, ENGLAND.

Inventors : DAVID JOHN WICKHAM, JACK WASHBOURN & HOWARD FREDERICK COGAN.

Application for Patent No. 364/Del/84 filed on 28th April, 1984.

Convention date 12th May, 1983/8313102, 17th June, 1983/8316544, 17th June, 1983/8316545, 23rd June, 1983/8317084, 4th October, 1983/8326467 & 20th March, 1984/8407177 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

15 claims

An electric actuator comprising an output member movable to a force exerting position in which said output member exerts a variable output force, spring means for exerting a variable force on said output member to control the variable output force exerted by said output member, an electric motor for determining the output force exerted on said output member by said spring means, a stop means for limiting the maximum value of the output force exerted by said spring means, said adjustment means for varying the position of the stop means in accordance with the maximum value of the output force required to be exerted by the output member.

Compl. Specn. 65 pages. Drgs. 13 sheets.

CLASS : 24 C & E, 158-D.

161426

Int. Class : H02k 49/00 & B61h 13/00.

#### ELECTRIC ACTUATORS.

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPPENHAM, WILTSHIRE, ENGLAND.

Inventors : JACK WASHBOURN & HOWARD FREDERICK COGAN.

Application for Patent No. 365/Del/84 filed on 28th April, 1984.

Convention date 12th May, 1983/8313102 & 17th June, 1983/8316544 and 8316545(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

14 claims

An electric actuator having an output member movable into and out of force-exerting position, a spring system, electric motor for moving the output to and from the force

exerting position thereof and, for when the output member is in that position, controlling the spring system to generate a required variable output force the output member, and means for withholding the spring system from generating a force on the output member until the output member is determined as being in the force exerting position thereof.

Compl. Specn. 27 pages. Drgs. 3 sheets.

CLASS : 24 C & E, 158-D. 161427

Int. Class : H02k 4900 & B61h 13/00.

#### ELECTRIC ACTUATORS.

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPENHAM, WILTSHIRE, ENGLAND.

Inventors : JACK WASHBOURN & COGAN HOWARD FREDERICK.

Application for Patent No. 367/Del/84 filed on 28th April, 1984.

Convention date 12th May, 1983/8313102 & 23rd June, 1983/8317063 and 8317064.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

13 claims

An electric actuator having an electric motor operable to control the output force generated by a spring system of the actuator on an output member of the actuator characterised in that there is provided measuring means responsive to a characteristic of the spring system which is indicative of the value of the output force; and an electrical circuit by which operation of the electric motor is initiated and is terminated when the measuring means detects the characteristic as being indicative of the output force being of a required value.

Compl. Specn. 42 pages. Drgs. 10 sheets.

CLASS : 24 C & F, & 158D. 161428

Int. Class : H02k 49/00 & B61h 13/00.

#### FORCE APPLYING SYSTEM.

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPENHAM, WILTSHIRE, ENGLAND.

Inventor : JACK WASHBOURN.

Application for Patent No. 369/Del/84 filed on 28th April, 1984.

Convention date 20th March, 1984/8407178(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 claims

A force applying system comprising a first direct electric actuator including an electric motor and a second electrically-controlled spring-applied actuator including a force-applying spring, and an output force-applying member, said apparatus further comprising a control solenoid and a force transfer means for providing operation of said output force-applying member of the second actuator, said force transfer means including a first force transfer member which is operatively loaded by the force-applying spring of the second actuator and a second force transfer member which is controlled by said solenoid such that when the solenoid is energised said second force transfer member is held out of engagement with said first force transfer member and when the solenoid is de-energised the first and second force transfer members are engaged to operatively connect said force-applying spring to the output member, said system further comprising an electrical circuit means for controlling energization of the solenoid and the electric motor of the first actuator such that the electric motor of the first actuator is de-energised when the solenoid is de-energised.

Compl. Specn. 13 pages. Drgs. 2 sheets.

CLASS : 35E & 85 E.

161429

Int. Class : F27d 1/18.

#### HIGH ALUMINA SLIDE GATE PLATE COMPOSITION.

Applicant : DRESSER INDUSTRIES, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, ONE OF THE UNITED STATES OF AMERICA, WITH OFFICES AT 1505 ELM, DALLAS, TEXAS 75201, U.S.A., MANUFACTURERS.

Inventors : DWIGHT STANLEY WHITTEMORE & DAVID JAMES MICHAEL.

Application for Patent No. 467/Del/84 filed on 6th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 claims

High alumina slide gate plate composition comprising 20 to 40%, by weight, of aluminous grain, 2 to 10%, by weight, of carbonaceous material, 40 to 60%, by weight, of high purity alumina, 1 to 5% of silicon powder and 3 to 5% by weight, of liquid thermosetting resin.

Compl. Specn. 9 pages.

CLASS : 39 N & 70A.

161430

Int. Class : C01d 11 02 & B01k 1/00.

A METHOD FOR THE MANUFACTURE OF A MODIFIED LITHIUM SALT HAVING IMPROVED SOLUBILITY IN A NON-AQUEOUS SOLVENT SYSTEM.

Applicant : STANDARD OIL COMPANY, A CORPORATION OF THE STATE OF INDIANA, U.S.A., OF 200 EAST RANDOLPH DRIVE, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Inventors : JOHN FRANCIS CONNOLLY AND ROBERT JAMES THRASH.

Application for Patent No. 473/Del/84 filed on 11th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

12 claims

A method for the manufacture of a modified lithium salt having improved solubility in a non-aqueous solvent system which comprises dissolving a lithium salt and a solubility modifying additive in the solvent system, wherein said solvent system comprises a major portion of sulfur dioxide, the amount of said lithium salt is in excess of the amount which is soluble in the solvent system in the absence of said solubility modifying additive, the amount of said solubility modifying additive is effected to increase the solubility of the lithium salt, and said solubility modifying additive comprises a salt which contains at least one cation selected from the group consisting of metal cation complexes, quaternary ammonium cations and organic phosphonium cations.

Compl. Specn. 40 pages.

#### PATENT SEALED

146572 158020 158173 158174 158177 158180 158285 158288  
158290 158295 158323 158351 158378 158388 158391 158393  
158442 158472 158482 158493 158495 158519 158522 158523  
158524 158525 158526 158527 158529 158530 158531 158532  
158541 158542 158543 158548 15849 158551 158552 158553  
158583 158584 158593 158394 158612 158639

## RENEWAL FEES PAID

140250 140521 141724 143039 143076 143088 143194 143325  
 143413 143917 143958 143982 144237 144308 144380 145131  
 145188 145648 145683 146167 147662 147773 147791 147887  
 147888 148059 148551 148580 148942 148974 149783 149834  
 149971 150670 150879 150957 151023 151168 151231 151404  
 151827 152083 152091 152099 152144 152313 152484 152496  
 152511 152723 153286 153408 153436 153582 153621 153713  
 153829 153872 154056 154127 154618 154828 155225 155473  
 155527 155568 155790 156008 156133 156169 156335 156387  
 156404 156500 156658 156675 156999 157003 157157 157211  
 157240 157613 157957 158006 158007 158024 158176 158187  
 158292 158383 158387 158419 158423 158501

## REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 158162. Racold Appliances Pvt. Limited, an Indian Company of "Vandhana", 11, Tolstoy Marg, New Delhi-110001, India. "Electric Iron". 25th March, 1987.

Class. 1. No. 158189. American Time, a registered Partnership firm, 1st floor, Near Municipal Office, Thane, in the state of Maharashtra within the Union of India. "Time Recorders". 1st April, 1987.

Class. 1. No. 158211. Wipro Information Technology Limited of Bakhtawar, 14th floor, 229, Nariman Point, Bombay-400021, Maharashtra, India, an Indian Company. "A Wallet". 7th April, 1987.

Class. 1. No. 158213. Soshil Chandra Srivastava, C/o K. P. Singh, Narayan Bhawan, Katu Road, Ranchi, Dist. Ranchi, Bihar, India, an Indian National. "A tamper-proof valve". 9th April, 1987.

Class. 1. No. 158296. The British Petroleum Company P.L.C., a British Company of Britannic House, Motor Lane, London, EC2Y 9BU, England. "Container". Reciprocity date is 18th November, 1986.

Class. 1. No. 158355. Shamandas Shewakram, Shop No. 79, Janani Bazar, Ulhasnagar-2, Maharashtra, India, an Indian Proprietorship firm. "Bracket of Pressure Cooker". 26th May, 1987.

Class. 1. No. 158364. Sarada Hardware Agency, 161, Netaji Subhas Road, Calcutta-7, West Bengal, India. An Indian Proprietary firm. "Domestic Oven". 26th May, 1987.

Class. 3. No. 158187. Apple Computer, Inc., a California Corporation of 20525 Mariani Avenue, Cupertino, California 95014, U.S.A., Manufacturers and merchants. "Computer Housing". 1st April, 1987.

Class. 3. No. 158201. Comptoir Nouveau De La Parfumerie Societe Anonyme, a French Company of 23, Rue Boissy d'Anglas, Paris (Seine), France. "Flask". 3rd April, 1987.

Class. 3. No. 158220. Meethale Madarbil Saq, Indian National, of P.O. Katirur (E), Tellicherry 670642, Cannanore Dist., Kerala State, India. "Toy Elements". 15th April, 1987.

Class. 3. No. 158247. Ramawatur Saraogi, Indian National, of Maker Chamber V, 1412, Nariman Point Bombay-400 021, State of Maharashtra, India. "Feeding Bottle". 20th April, 1987.

Class. 3. No. 158270. Seicon International Private Limited. (A Company Incorporated under the Companies Act) of Arvind Chambers 2nd floor Seth Studio Compound, 194 Andheri Kurla Road Andheri (East) Bombay 400 069, State of Maharashtra, India. "Container". 28th April, 1987.

Class. 3. No. 158287. Sonodyne Television Co. Pvt. Ltd., 98, N.B. Block E, New Alipore, Calcutta-53, West Bengal, India. "Television". 30th April, 1987.

Class. 4. Nos. 158221 & 158222. Eagle Flask Private Limited, an Indian Company, of Eagle Estate, Talegaon-410507, Dist. Pune, Maharashtra State, India. "TRAY". 15th April, 1987.

Class. 4. Nos. 158223 & 158224. Eagle Flask Private Limited, an Indian Company, of Eagle Estate, Talegaon-410507, Dist. Pune, Maharashtra State, India. "Casserole". 15th April, 1987.

Class. 4. Nos. 158226, 158227, 158228, 158229, 158230. Eagle Flask Private Limited, an Indian Company of Eagle Estate, Talegaon-410507, Dist. Pune, Maharashtra State, India. "Vacuum Flask". 15th April, 1987.

*Extn. of Copyright for the Second period of five years*

Nos. 152632, 152633—Class-1.

Nos. 152011, 152082, 150311, 152035, 152036, 152039, 152040, 152083, 152119, 152391, 152147, 152503, 152254—Class-3.

No 152012—Class-4.

No. 152332—Class-5.

Nos. 152575, 152576, 152577, 152579, 152580, 152581, 152582, 152583, 152584, 152585, 152586, 152587, 152588—Class-10.

*Extn. of Copyright for the Third period of five years*

Nos. 145130, 145131, 144384, 144385, 144386—Class-3.

NAME INDEXES OF APPLICANTS FOR PATENTS FOR THE MONTH OF JANUARY, 1987 (NOS. 1/CAL/87 TO 97/CAL/87, 1/BOM/87 TO 28/BOM/87, 1/MAS/87 TO 63/MAS/87 AND 1/DEL/87 TO 80/DEL/87

## Name &amp; Application No.

## "A"

AB Cerbo.—17 Del/87.

AGM Energetikai Gepgyarto Feanyvallalat —46/Del/87.

Advanced Composite Components Limited.—24 Mas/87.

Ahuja, S.R.—51/Del/87.

Akzo N.V.—50/Mas/87.

Alcan International Limited.—60/Del/87.

Alfa-Laval Food & Dairy Engineering AB.—60/CAL/87.

American Petro Mart, Inc.—43/Del/87.

Amsted Industries Incorporated.—22/Mas/87.

Anderton G.F.—52/Mas/87.

Anderton, G.J.—52 Mas/87.

Antoorkar, S.B.—22Bom/87.

Armaturenfabrik Wallisellen AG.—70/Del/87.

Associated Cement Companies Limited.—2 Bom/87.

Atochem—8/Mas/87 & 34/Mas/87.

Ausmited Corp.—12/CAL/87.

Australian Commercial Research and Development Limited.—77/CAL/87.

Avondale Industries, Inc.—21/Mas/87.

Name & Application No.	Name & Application No.
"B"	"F"
B.P.B. Industries Public Limited Company.—1/Mas/87.	F. Hoffmann-La Roche & Co.—33/Mas/87.
BP Chemicals Limited.—35/Del/87.	FMC Corporation.—58/Mas/87.
Babcock & Wilcox Company, The.—2/Cal/87.	Fosco International Limited.—58/Del/87.
Balaguruswamy, V.—38/Mas/87.	
Bayer Aktiengesellschaft 26/Del/87.	
Bayer Antwarpan N.V.—19/Cal/87.	
Bectra S.A. Bureau D'Etude Et De Coordination De Travaux D'Assainissement.—13/Del/87.	
Beliot Corporation.—45/Cal/87 & 46/Cal/87.	
Boots Company Plc., The.—9/Mas/87.	
Bowthorpe FMP Limited.—57/Del/87.	
Braunschweigische Maschinenbaustadt AG.—25/Mas/87 & 26/Mas/87.	
Brevetti Gaggia S.p.a.—6/Mas/87.	
"C"	"G"
Central Machine Tool Institute.—31/Mas/87.	G.D. Societe Per Azioni.—15/Del/87 & 16/Del/87.
Chakravorty, A.—83/Cal/87 & 91/Cal/87.	Gaikar N.R.—4/Bom/87.
Champaceyshah, V.—11/Bom/87.	Gaikar N.R. (Mrs.)—4/Bom/87.
Chattopadhyay, SK. (Dr.)—11/Del/87 & 12/Del/87.	Gas Research Institute.—86/Cal/87.
Children's Hospital Research Foundation.—34/Del/87.	Geller, G.R.—25/Del/87.
Ciba-Geigy AG.—32/Mas/87.	General Foods Corporation.—79/Del/87.
Colgate-Palmolive Company.—52/Del/87, 53/Del/87 & 54/Del/87.	Gilbertson, T.A.—15/Cal/87.
Cooke, T.F.—49/Cal/87.	Gillette Company, The.—49/Del/87.
Combustion Engineering, Inc.—95/Cal/87 & 96/Mal/87.	Goodyear Tire & Rubber Company, The.—77/Del/87.
Council of Scientific and Industrial Research.—36/Del/87, 62/Del/87, 63/Del/87, 64/Del/87, 65/Del/87, 66/Del/87 & 67/Del/87.	Gould Inc.—78/Cal/87.
Dalmia Institute of Scientific & Industrial Research.—59/Cal/87.	Graseby Dynamics Limited.—60/Mas/87.
Danby Developments Inc.—17/Mas/87.	Graver Company, The.—7/Mas/87.
Dansk Industri Syndikat A's.—1/Cal/87 & 69/Cal/87.	Gupta V.R.—3/Bom/87.
Das, S. K.—83/Cal/87.	
Das, S.R.—92/Cal/87.	
Deka, K.—82/Cal/87.	
Delaware Chemicals Corporation.—39/Cal/87.	
Devadattam, D.S.K.—91/Cal/87.	
Distillers Company Plc, The.—3/Mas/87 & 4/Mas/87.	
Dougherty, J.F.—36/Cal/87.	
Dow Chemical Company, The.—51/Mas/87.	
Dow Mac Concrete Limited—36/Mas/87.	
Dresser U.K. Limited.—45/Del/87.	
Dutt, R.N.—11/Cal/87.	
Dynamit Nobel Aktien Gesellschaft—44/Mas/87.	
"E"	"H"
E.I.Du Pont De Nemours and Company.—6/Cal/87, 23/Cal/87, 40/Cal/87.	Haeber, J.—80/Del/87.
Faton Corporation 61/Cal/87.	Hamagen PFC.—34/Del/87.
Fimeco Elecon (India).—1/Bom/87.	Hari Fertilizers Ltd.—59/Cal/87.
Elkem Metals Company.—35/Mas/87.	Henkel Corporation.—56/Cali/87.
Engineering and Technical Services Ltd., The.—30/Del/87.	Henkel Kommandit Gesellschaft Auf Aktien.—54/Mas/87.
Entec Corporation.—48/Mas/87.	Hindustan Ciba-Beigy Limited.—51/Bom/87.
	Hindustan Lever Ltd.—7/Bom/87 & 17/Bom/87.
	Hitachi, Ltd.—5/Cal/87 & 41/Cal/87.
	Hitachi Construction Machinery Co. Ltd.—37/Cal/87 & 80/Cal/87.
	Hitachi Engineering Co. Ltd.—5/Cal/87 & 41/Cal/87.
	Hoechst Aktiengesellschaft.—17/Cal/87, 48/Cal/87, 97/Cal/87, 40/Mas/87 & 41/Mas/87.
	Hoechst India Limited.—8/Bom/87 & 26/Bom/87.
	Hottenroth, F.W.—70/Cal/87.
	Hottenroth, F.W. III.—70/Cal/87.
"I"	"J"
Ian Vernon Hodgson.—1/Del/87.	Jain, J.—29/Del/87.
Imperial Chemical Industries.—23/Del/87.	Jain, N.—30/Cal/87, 31/Cal/87, 32/Cal/87, 33/Cal/87 & 34/Cal/87.
Indian Institute of Technology.—83/Cal/87 & 91/Cal/87.	Jenes, B.H.—74/Del/87.
Institut De Recherches De La Siderurgie Francaise (IRSID).—78/Del/87.	Jalarlam Chemicals & Pharmaceuticals Pvt. Ltd.—18/Bom/87.
Institut Francais Du Petrole.—23/Mas/87.	
Institut Francais Du Petrole.—23/Mas/87.	
Intellect Electronics Ltd.—69/Del/87.	
Interlego AG.—14/Del/87.	
Interprofil GfK-Fenster & Bausysteme Gesellschaft m.b.H.—59/Del/87.	
Ishihara Sangyo Kaisha Ltd.—15/Bom/87.	

Name & Application No.	Name & Application No.
<b>"K"</b>	<b>"O"</b>
Kabushiki Kaisha Toshiba.—40/Del/87.	Owens-Illinois, Inc.—55/Mas/87.
Karamdikar, S.G.—10/Bom/87.	
Karndikar, J.R.—23/Bom/87.	
Kaushik, D.K.(Dr.)—11/Del/87 & 12/Del/87.	
Kennecott Corporation.—42/Del/87.	
Khadilkar, P.R.—13/Bom/87.	
Khosla, K.G.—37/Del/87.	
Klein, Schanzlin & Becker Aktiengesellschaft.—14/Cal/87 & 67/Cal/87.	
Kone Elevator GmbH.—20/Cal/87, 21/Cal/87, 22/Cal/87, 26/Cal/87, 27/Cal/87, 28/Cal/87, 42/Cal/87, 43/Cal/87, 44/Cal/87, 50/Cal/87, 51/Cal/87, 52/Cal/87, 53/Cal/87, 54/Cal/87, 63/Cal/87, 64/Cal/87, 65/Cal/87, 72/Cal/87, 73/Cal/87, 74/Cal/87, 76/Cal/87, 87/Cal/87, 88/Cal/87, 89/Cal/87.	
Kotobuki & Co. Ltd.—24/Bom/87.	
Kraftwerk Union Aktiengesellschaft.—35/Cal/87.	
Krishan, H.—31/Del/87.	
Kulkarni, P.K.—9/Bom/87.	
Kulkarni, V.P.—9/Bom/87.	
Kumar, R.—61/Del/87.	
<b>"L"</b>	<b>"P"</b>
Laboratories Del Dr. Esteves, S.A.—39/Del/87.	Primatex Machinery Private Limited.—16/Bom/87.
Laboratories Delagrance.—43/Mas/87.	
Ianxide Technology Company.—68/Cal/87.	
Larsen & Toubro Ltd.—25/Bom/87.	
Lasater, H.C.—13/Mas/87.	
Lubrizol Corporation, The.—22/Del/87, 27/Del/87, 28/Del/87 & 56/Del/87.	
Lubrizol Enterprises, Inc. 50/Del/87	
Lucas Industries Public Limited Company.—18/Mas/87, 19/Mas/87, 20/Mas/87 & 59/Mas/87.	
Luminis Pty. Ltd.—77/Cal/87.	
<b>"M"</b>	<b>"R"</b>
Magaldi, M.—81/Cal/87.	RCA Corporation.—56/Cal/87.
Magyar Aluminiumipari Troszt.—53/Mas/87.	Rallis India Limited.—19/Bom/87 & 20/Bom/87.
Metal Box P.L.C.—47/Mas/87.	Rank Taylor Hobson Limited.—6/Bom/87.
Morton Thiokol, Inc.—6/Del/87.	Ratnayarkhi, P.K.—21/Bom/87.
Mining & Allied Machinery Corporation Limited.—25/Cal/87.	Rohm and Haas Company.—20/Del/87 & 21/Del/87.
Mitsui Toatsu Chemicals Incorporated.—79/Cal/87.	Rollstuhlinnen Limited.—9/Del/87 & 10/Del/87.
Mobil Oil Corporation.—14/Mas/87.	Rostovskiy Institut Inzhenerov Zheleznodorozhnogo Transporta.—90/Cal/87.
Muthu, T.—5/Mas/87.	Routh, P.K.—71/Cal/87.
<b>"N"</b>	Roy, R.N.—47/Cal/87.
Nagabhushan, B.N.—28/Mas/87.	Roy, S.—66/Cal/87.
Nagpal, T.—72/Del/87.	Roy, S.—66/Cal/87.
Naik, D.S.—28/Bom/87.	
Namjoshi, A.N.—10/Bom/87.	
Nath, N. (Dr.)—11/Del/87 & 12/Del/87.	
National Council for Cement and Building Materials.—8/Del/87.	
National Research Development Corpn.—75/Del/87 & 76/Del/87.	
Nippon Chemiphar Co. Ltd.—63/Mas/87.	
<b>"O"</b>	<b>"S"</b>
Owens-Illinois, Inc.—55/Mas/87.	Sab Nite AB.—71/Del/87.
	SMS Schloemann-Siemag Aktiengesellschaft.—15/Mas/87.
	SRF Nippondenso Limited.—32/Del/87.
	Sahay, D.—12/Mas/87.
	Sarin, R.—47/Del/87.
	Sarma, M.S.V.—49/Mas/87.
	Sayzen Limited.—62/Mas/87.
	Schweissindustrie Oerlikon Bührle AG.—16/Mas/87.
	Sengupta, D.N.—29/Cal/87.
	Sengupta, K. (Sm.).—29/Cal/87.
	Seshadri, K.—27/Mas/87.
	Shah, V.C.—11/Bom/87.
	Sharma, N.K.—9/Cal/87.
	Shell International Research Martschappij. B.V.—30/Mas/87 & 61/Mas/87.
	Siemens Aktiengesellschaft.—84/Cal/87, 85/Cal/87 & 95/Cal/87.
	Singh, M.P.—73/Del/87.
	Sir Padampat Research Centre.—4/Del/87 & 5/Del/87.
	Societe Chimique Des Charbonnages S.A.—3/Cal/87 & 4/Cal/87.

*Name & Application No.**Name & Application No.***"S"**

Societe des produites Nestles S.A.—10/Mas/87.

Sporling M.—62/Cal/87.

Spelten, H. Sponge.—16/Cal/87.

Iron India Limited.—37/Mas/87.

Srivastava, S.C.—55/Cal/87.

Stamicarbon B.V.—57/Mas/87.

Steel Authority of India Limited.—41/Del/87.

Szyblaski, W.—42/Mas/87.

**"T"**

Trade &amp; Industry Private Limited.—24/Cal/87.

Trutzschler GMBH &amp; CO. KG.—94/Cal/87.

**"U"**

UOP INC.—55/Del/87.

Union Carbide Agricultural Products Company, Inc.—46/Mas/87.

Union Carbide Corporation.—18/Del/87. &amp; 2/Mas/87.

Union Rheinische Braunkohlen Kraftstoff AG.—44/Del/87.

Union Tractor Workshop.—3/Del/87.

**"V"**

Vapor Corporation.—38/Del/87.

Varma, P.—48/Del/87.

Vinodkumar, C.—39/Mas/87.

Vinz, P. (Dr.)—75/Cal/87.

**"V"**

Vishnu, P.B.—14/Bom/87.

Vithayathil, J.J.—58/Cal/87.

Vocst-Alpine Aktiengesellschaft.—8/Cal/87 &amp; 19/Cal/87.

Volgo-Uralsky Nauchno-Issledovatel'skiy I Proektney Institut Po Dodche I Pererabotke Serovodorod-Soderzhaschikh Gazov (Volgouralnigaz).—7/7/Cal/87.

**"W"**

Water Research Commission, The.—68/Del/87.

Westinghouse Electric Corporation.—10/Cal/87, 13/Cal/87, 38/Cal/87 &amp; 57/Cal/87.

R. A. ACHARYA  
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